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VII. *Account of a Nebula in Coma Berenices. By Edward Pigott, Esq. In a Letter to Nevil Maskelyne, D. D. F. R. S. and Astronomer Royal.*

Read January 11, 1781.

REV. SIR,

Frampton-house, Glamorganshire,  
September 3, 1779.

AS my father generally addresses to you such papers as he communicates to the Royal Society, I beg the favour of you to acquaint that learned body, that, on the 23d of March, I discovered a nebula in the constellation of Coma Berenices, hitherto, I presume, unnoticed; at least not mentioned in M. DE LA LANDE's *Astronomy*, nor in M. MESSIER's ample *Catalogue of nebulous Stars*. I have observed it in an achromatic transit instrument, three feet long, and deduced its mean R. A. by comparing it to the following stars, having made the necessary corrections for aberration and nutation, the results are:

By $\delta$ Gemini	-	-	-	-	191	28	35
By $\gamma$ Canis Majoris	-	-	-	-	191	28	41
By $\epsilon$ Virginis	-	-	-	-	191	28	45
By $\nu$ Virginis	-	-	-	-	191	28	36
By $\delta$ Leonis	-	-	-	-	191	28	34
Mean R. A. of the nebula for April 20, 1779,					191	28	38

Its

Its light being exceedingly weak, I could not see it in the two-feet telescope of our quadrant, so was obliged to determine its declination likewise by the transit instrument. This determination, however, I believe, may be depended upon to two minutes: hence its declination north is  $22^{\circ} 53'' \frac{1}{4}$ . The diameter of this nebula I judged to be about two minutes of a degree.

I am, &c.

E. PIGOTT.

